

## CLAIMS

### What is claimed is:

1. A programmable logic controller with an extra memory, comprising:
  - a PLC, comprising at least a memory storing a plurality of data codes and an
  - 5 indicating instruction, and a CPU for reading and executing the data codes;
  - a data bus, connecting electrically to the CPU; and
  - an extra memory, connecting to the data bus, comprising at least a data code;
  - wherein after the indicating instruction stored in the memory has been read, the
  - CPU reads the address of the extra memory to execute the data code stored in the
  - 10 extra memory.
2. The programmable logic controller with an extra memory of claim 1, wherein the extra memory is swathed by a housing.
3. The programmable logic controller with an extra memory of claim 2, wherein the housing comprising:
  - 15 a body, accommodating the extra memory inside, comprising a connecting port extending downward vertically on one side of the bottom; and
  - a moving member, comprising a horizontal arm and a vertical arm connecting to each other, the horizontal arm crossing the top side of the body and the vertical arm pivotally connecting to the side of the body by a pivotal connecting end.
- 20 4. The programmable logic controller with an extra memory of claim 3, wherein the vertical distance between the pivotal connecting position of the moving member and the end of the pivotal connecting end is greater than the vertical distance between the

pivotal connecting position of the moving member and the bottom of the body.

5. The programmable logic controller with an extra memory of claim 3, wherein another end of the vertical arm bends downward to form a hook.
6. The programmable logic controller with an extra memory of claim 3, wherein the
- 5 pivotal connecting end of the vertical arm has a shaft connecting to the side of the body.